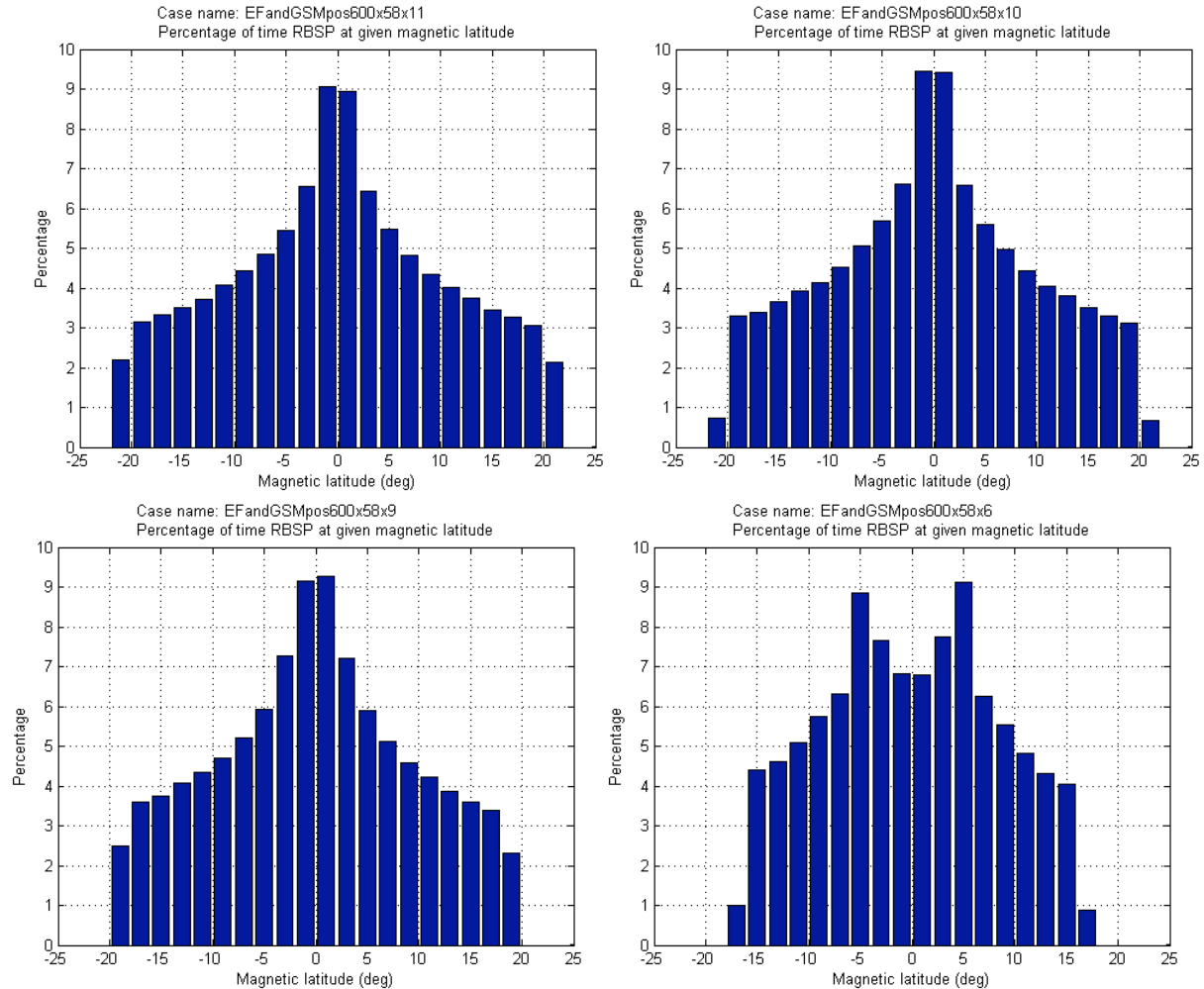


## Orbital Coverage Relative to the Magnetic Equator

The following figures, provided by Gene Heyler, demonstrate the spatial coverage relative to the magnetic equator for orbits with different inclinations. The orbits are taken to be 600 km by 5.8 Re geocentric. If being within 4° of the magnetic equator is desirable, then 10° inclination is good. However, if being within 6° of the magnetic equator the goal, then 6° inclination is preferred (of those shown).



### Coverage Relative to Magnetic Equator

	10° inclination	6° inclination
within 2° of Mag Eq	19%	13.5 %
within 4° of Mag Eq	32%	29%
within 6° of Mag Eq	43%	47%
within 8° of Mag Eq	53%	60%
within 10° of Mag Eq	62%	70%
within 15° of Mag Eq	86%	98%